IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Cancelled)

Claim 6 (Currently Amended): A method for producing a transgenic plant, comprising:

(A) transforming a plant cell with a gene introduction vector which comprises a desired ~~gene~~ polynucleotide sequence and a selectable marker gene which encodes an enzyme that synthesizes auxin from an auxin precursor or synthesizes an auxin analogue from ~~an auxin precursor or~~ an auxin analogue precursor,

(B) culturing the transformed plant cell in a medium containing the auxin precursor and/or auxin analog precursor ~~analogue thereof~~ under conditions suitable for production of ~~producing~~ a redifferentiated plant tissue expressing said selectable marker gene from said transformed plant cell,

(C) detecting and selecting [[a]] the redifferentiated plant tissue and

(D) culturing the redifferentiated plant tissue into a transgenic plant.

Claim 7 (Currently Amended): The method of Claim 6, wherein ~~said medium contains an auxin which~~ the auxin is indoleacetic acid (IAA).

Claim 8 (Currently Amended): The method of Claim 6, wherein ~~said medium contains an auxin which~~ the auxin is not indoleacetic acid (IAA).

Claim 9 (Currently Amended): The method of Claim 6, wherein ~~said medium contains an auxin analogue which~~ the auxin analog is naphthaleneacetic acid (NAA).

Claim 10 (Currently Amended): The method of Claim 6, wherein ~~said medium contains an auxin precursor which~~ the auxin precursor is indoleacetamide.

Claim 11 (Currrently Amended): The method of Claim 6, wherein ~~said medium contains an auxin precursor which~~ the auxin analogue precursor is n~~apthaleneacetic acid~~ naphthaleneacetamide (NAM).

Claim 12 (Previously Presented): The method of Claim 6, wherein the gene for synthesizing auxin from the auxin precursor is an indoleacetamide hydrolase, *iaaH*, gene.

Claim 13 (Previously Presented): The method of Claim 6, wherein the vector further comprises a cytokinin synthesis gene.

Claim 14 (Previously Presented): The method of Claim 13, wherein the cytokinin synthesis gene is an isopentenyl transferase, *ipt*, gene.

Claim 15 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant virus.

Claim 16 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant bacterium.

Claim 17 (Previously Presented): The method of Claim 6, wherein the vector is introduced using *Agrobacterium*.

Claim 18 (Previously Presented): The method of Claim 6, wherein the vector is introduced by a physical or chemical technique.

Claim 19 (Previously Presented): The method of Claim 6, wherein the vector comprises a GUS gene.

Claim 20 (Previously Presented): The method of Claim 6, wherein the vector comprises a kanamycin resistance gene.

Claim 21 (Previously Presented): The method of Claim 6, wherein the vector comprises a hygromycin resistance gene.

Claim 22 (Previously Presented): The method of Claim 6, wherein the vector comprises a sulfonylurea resistance gene.

Claim 23 (Previously Presented): The method of Claim 6, wherein the plant cell is *Eucalyptus*.

Claim 24 (Previously Presented): The method of Claim 6, wherein the plant cell is *Populus*.

Claim 25 (Currently Amended): A vector for introducing a desired gene into a plant comprising:

a desired polynucleotide ~~gene~~, and

a selectable marker gene comprising an indoleacetamide hydrolase, *iaaH*, gene and an isopentenyl transferase, *ipt*, gene, wherein said vector is free of the tryptophan monooxygenase, *iaaM*, gene.